

We claim:

1. A polypeptide having the amino acid sequence SEQ ID No. 2.
- 5 2. A polynucleotide sequence which encodes a polypeptide as claimed in claim 1.
- 10 3. A polynucleotide sequence having the sequence SEQ ID No. 1.
4. The use of a polypeptide as claimed in claim 1 for identifying substances able to inhibit the enzymatic activity of this polypeptide.
- 15 5. A method for identifying compounds which inhibit the enzymatic activity of a polypeptide as claimed in claim 1, comprising:
 - 20 (a) comparing the extent of the enzymatic activity of CAPN11 in the presence of the compound with the extent of the enzymatic activity of CAPN11 in the absence of the compound and
 - 25 (b) selecting compounds which alter the extent of the enzymatic activity of CAPN11 compared with the enzymatic activity of CAPN11 in the absence of the compound.
6. The use of compounds which have been identified by the method as claimed in claim 5 for the treatment of fertility disorders in men.

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